



## Surface Water Protection Program

### What We Do

The Department of Pesticide Regulation's Surface Water Protection Program conducts studies that measure pesticide concentration in surface water, determines how the residues ended up in water, and evaluates or develops ways to keep pesticides out of waterways. To fulfill these missions we conduct the following:

Monitoring- We take water samples to determine if pesticide residues are present in rivers, streams and drains.

Research- We conduct research to find ways to keep pesticides from reaching waterways.

Outreach- We fund educational programs that provide information on pesticide runoff prevention for growers and homeowners.

### What We Don't Do

The Surface Water Program does not enforce pesticide use restrictions. We do not set water quality standards; that task falls to other agencies such as the Water Boards.

### What We Plan to Do

Dormant-use organophosphate insecticides such as diazinon, methidathion, and chlorpyrifos have been found in surface waters of the Sacramento and Feather River Basins. The State Water Resources Control Board is setting water quality standards for diazinon in waterways in the basins. Meeting those standards- and thereby helping to preserve these insecticides as dormant spray options- will depend on implementing effective runoff prevention measures. We are conducting studies to find methods to reduce pesticide runoff that really work.

### What We Have Done

#### Some Examples of Our Publications:

Reducing dormant spray runoff from orchards. Ross L., K. Bennett, K. Kim, K. Hefner, and J. Hernandez. (1997). California Department of Pesticide Regulation Publication EH 97-03.

Runoff from citrus orchard middles: Comparison of three herbicides and effect of organosilicon surfactant. Spurlock, F., C. Garretson, and J. Troiano (1997). California Department Pesticide Regulation Publication 97-02.

Monitoring surface waters of the San Joaquin River Basin for selected summer-use pesticides. Starner, K. (2002). California Department of Pesticide Regulation EHAP Study Protocol No. 207.

Protocol for monitoring the occurrence and typical concentration of esfenvalerate and permethrin pyrethroids. Bacey, N. (2001). California Department of Pesticide Regulation EHAP Study Protocol No. 205.

These reports are available on our website:  
<http://www.cdpr.ca.gov/docs/surfwatr/pubs.htm>

For additional information on the Surface Water Program, contact Sheri Gill at (916) 324-5144 or see our website

<http://www.cdpr.ca.gov/docs/surfwatr/surfinenu.htm>

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